

**Commonwealth of Kentucky**  
**Division for Air Quality**  
***EXECUTIVE SUMMARY***

FINAL

Title V / Synthetic Minor, Operating

Permit: V-08-010

Weyerhaeuser East Kentucky Plant

Chavies, KY 41727

January 22, 2009

Lisa Beckham, Reviewer

SOURCE ID: 21-193-00097

AGENCY INTEREST: 3457

ACTIVITY: APE20080001

**SOURCE DESCRIPTION:**

On January 4, 2008 Weyerhaeuser NR Company (Weyerhaeuser) submitted an application for a renewal permit for the Weyerhaeuser East Kentucky Plant in Chavies, Kentucky. Additional information was received on February 27, 2008, July 15, 2008, and August 13, 2008. The application was considered complete on August 18, 2008.

The Weyerhaeuser East Kentucky Plant produces Laminated Strand Lumber (LSL) using whole hardwood logs. In the LSL manufacturing process, the logs are debarked, cut to length, and processed into thin, long strands. The strands are then dried, coated with polyurethane MDI resin and emulsified wax, and formed into rough billets. The billets are pressed to a size approximately 8-ft wide by 48-ft long with various thicknesses in a steam injection press heated with thermal oil. The billets are then rough-sanded and dimensioned and prepared for shipment. LSL is used as a stable lumber "core" material for the window and door industry and as high-grade structural lumber for residential construction.

With the renewal permit, the Boiler MACT (40 CFR 63 Subpart DDDDD) requirements for EU 01 have been removed due to the vacatur of the Boiler MACT by the U.S Court of Appeals on July 30, 2007. The PCWP MACT (40 CFR 63 Subpart DDDD) requirements for EU 02 have been incorporated into the permit, including operating limits set based on initial compliance demonstration results. The equipment associated with the I-Joist department of the facility has been removed from the permit, as the equipment has been shutdown and the process is no longer in operation (except for one remaining bundle saw, EU 22). Weyerhaeuser also requested that the 1,000 lb/wk limit of burning oil-soaked rags in EU 01 be increased to 2,000 lb/wk and be changed to allow the use of other absorbents (e.g. mulch and sawdust) to soak up oil spills. Based on the MSDS provided by Weyerhaeuser of the oils being cleaned up, the Division concurs with the increase in the amount of oil-soaked absorbents burned.

On December 5, 2008 the Division received notice of a name change for the Weyerhaeuser Company to Weyerhaeuser NR Company. The name of the source, Weyerhaeuser East Kentucky Plant, remains the same. This change has been incorporated into the final permit.

**U.S. EPA REVIEW:**

The U.S. EPA was notified of the issuance of the proposed permit on December 8, 2009 via e-mail. The comment period expired 45 days from the date of e-mail. No comments were received during this period. The permit is now being issued final.